

**Reaction Parameters for 77S Bioglass Synthesized with
Polyvinylpyrrolidone**

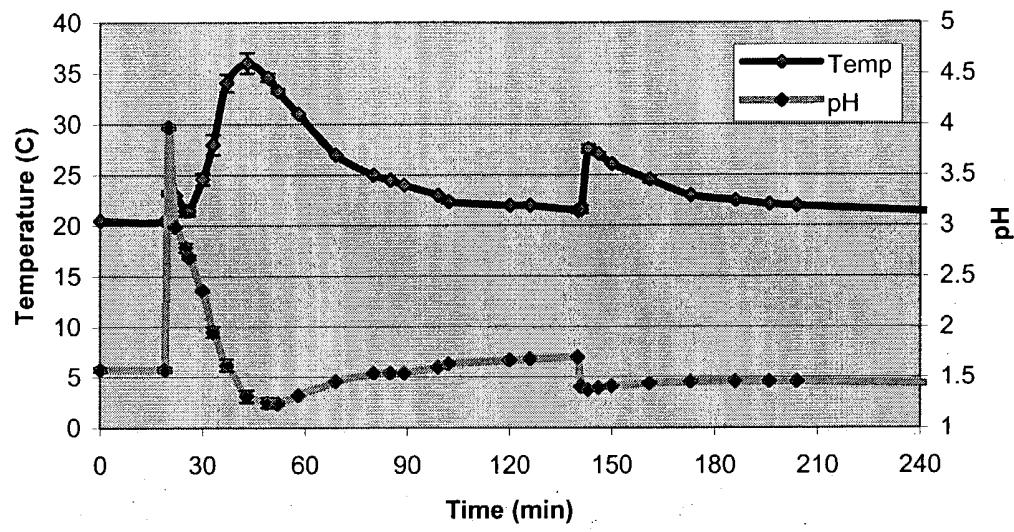


FIG. 1

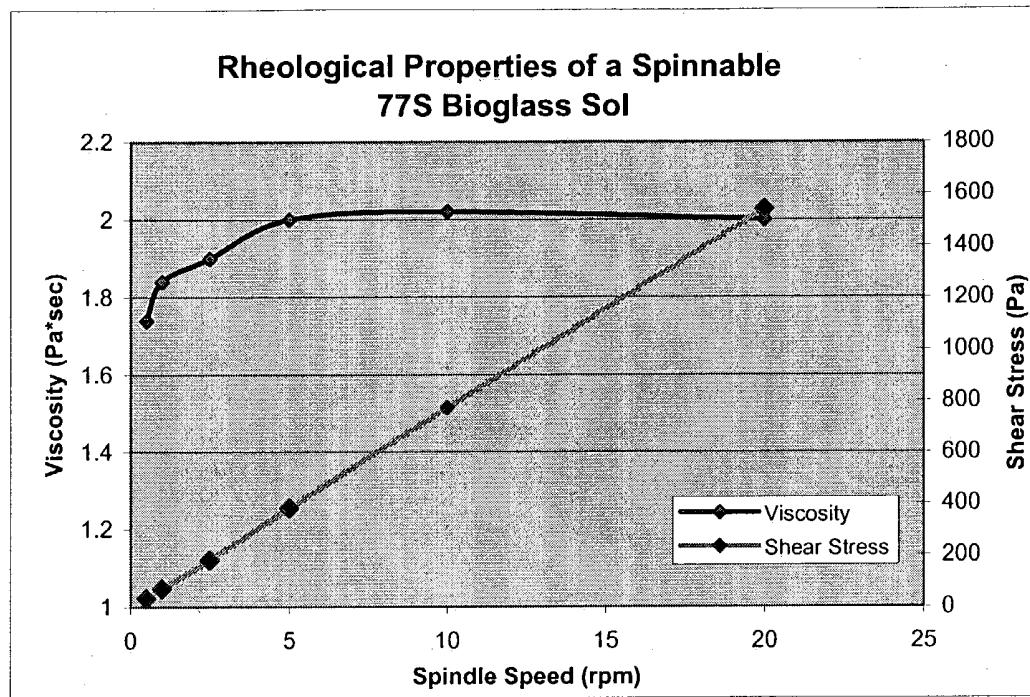


FIG. 2

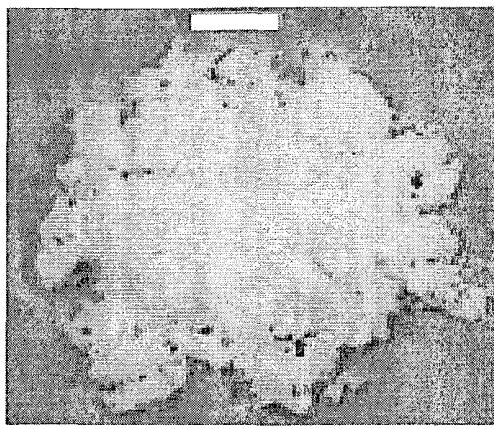


FIG. 3A

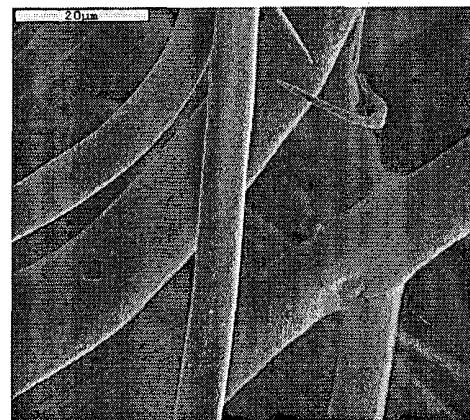
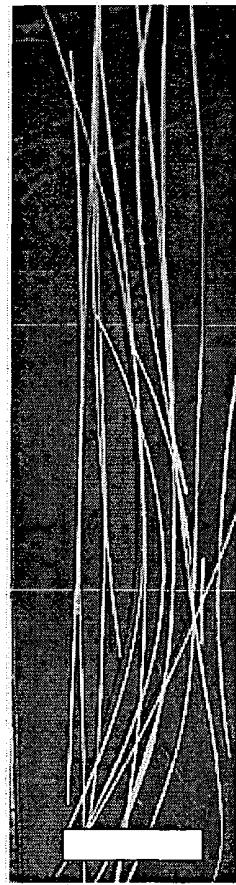
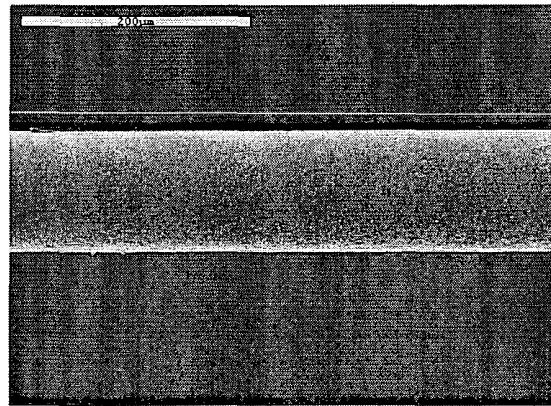


FIG. 3B



SB = 1cm

FIG. 3C



250x SEM

FIG. 3D

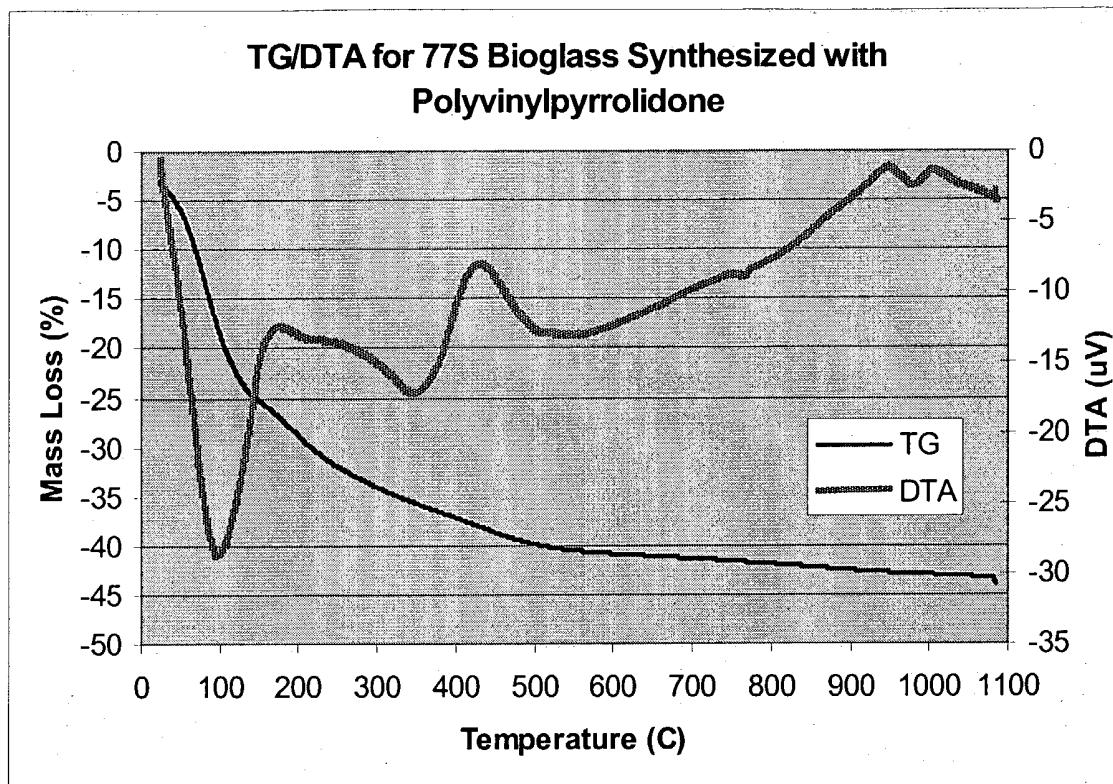


FIG. 4

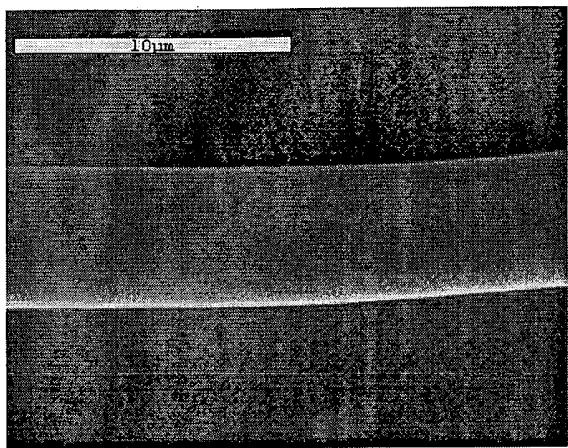


FIG. 5A

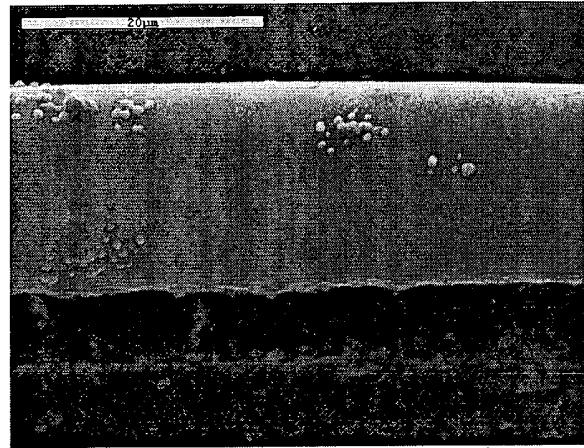


FIG. 5B

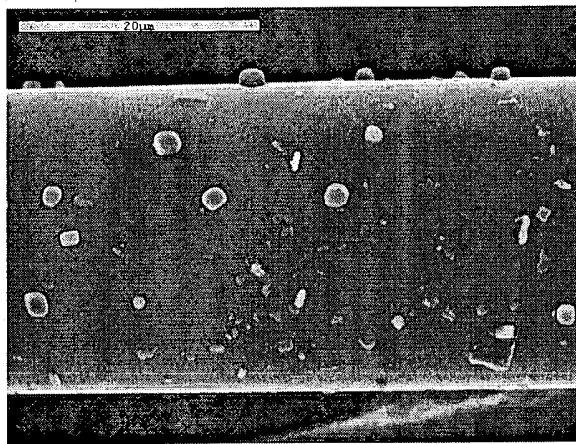


FIG. 5C

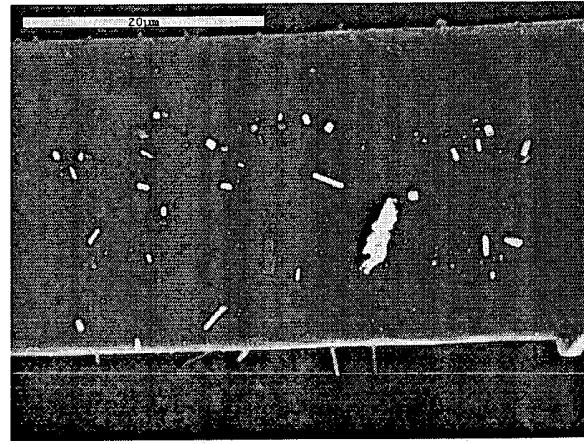


FIG. 5D

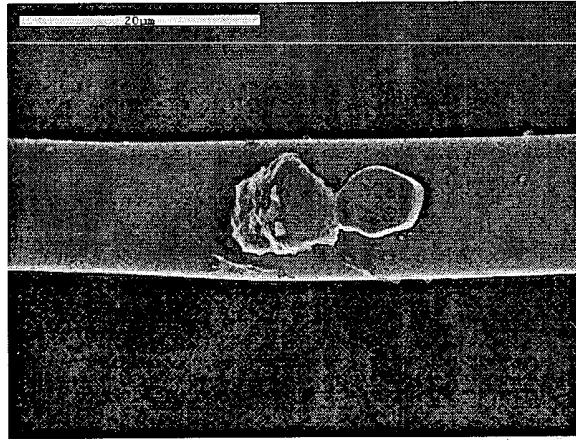


FIG. 5E

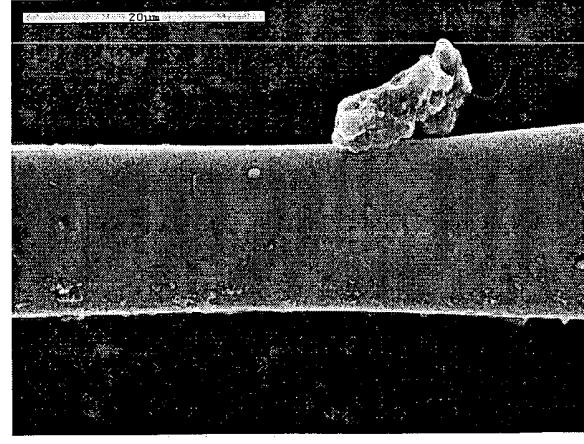


FIG. 5F

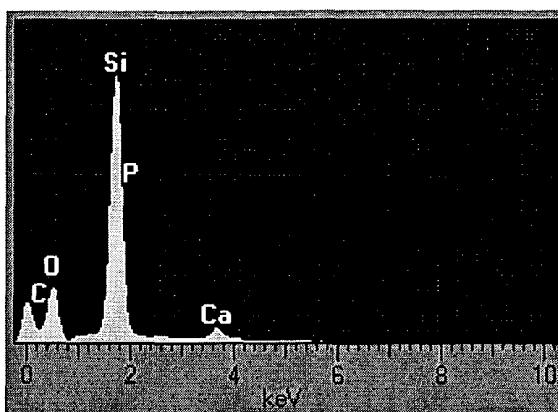


FIG. 6A

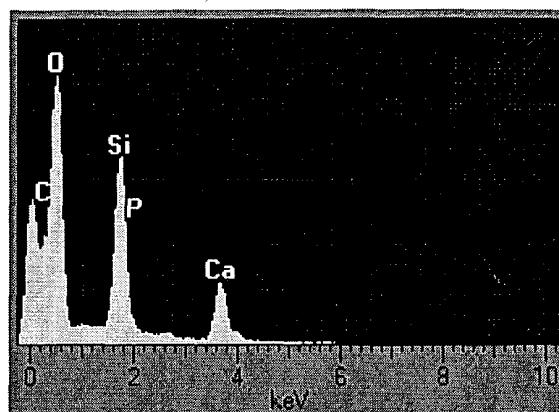


FIG. 6B

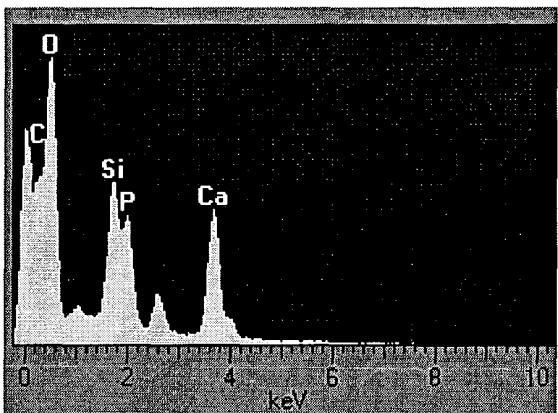


FIG. 6C

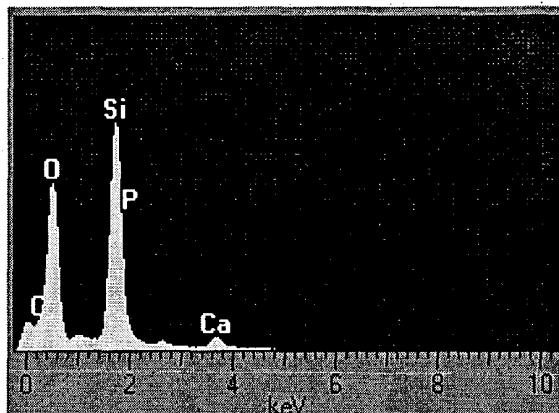


FIG. 6D

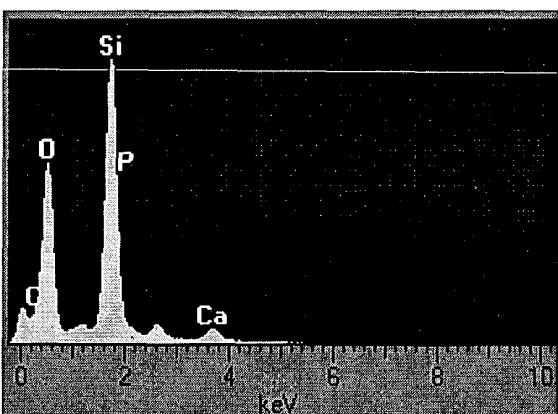


FIG. 6E

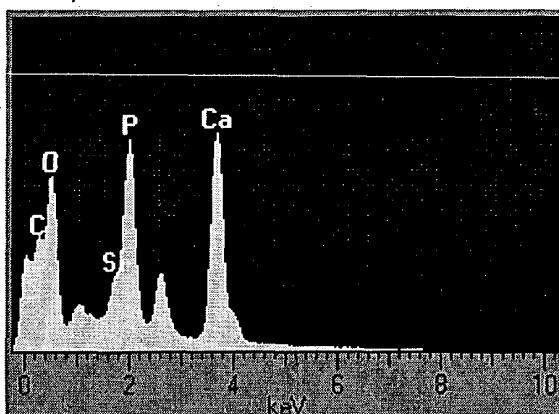


FIG. 6F

XRD Spectra of 77S BG Fibers in SBF

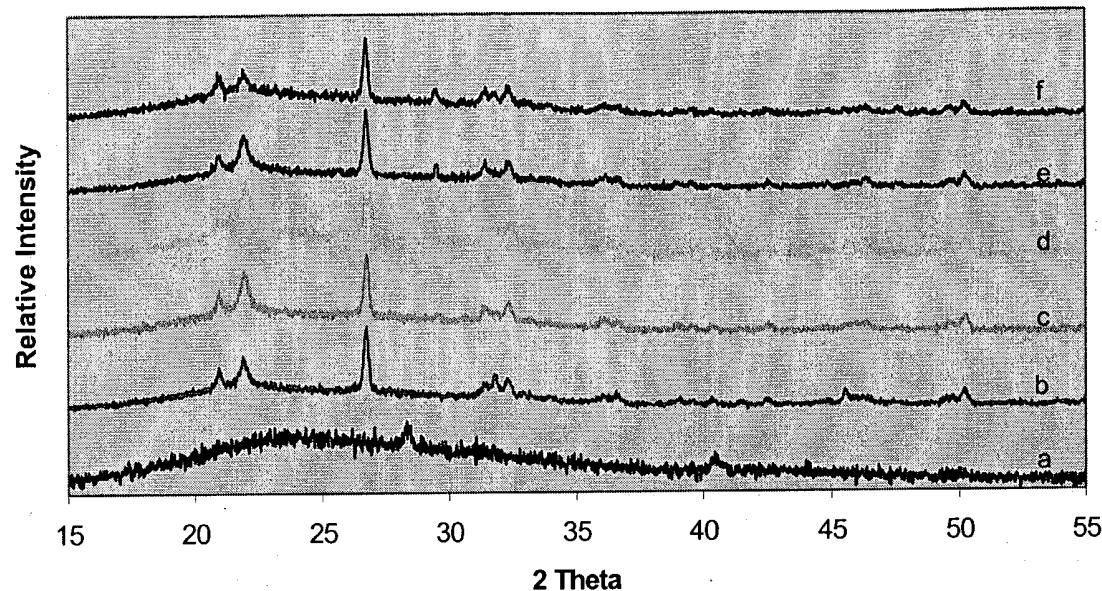


FIG. 7

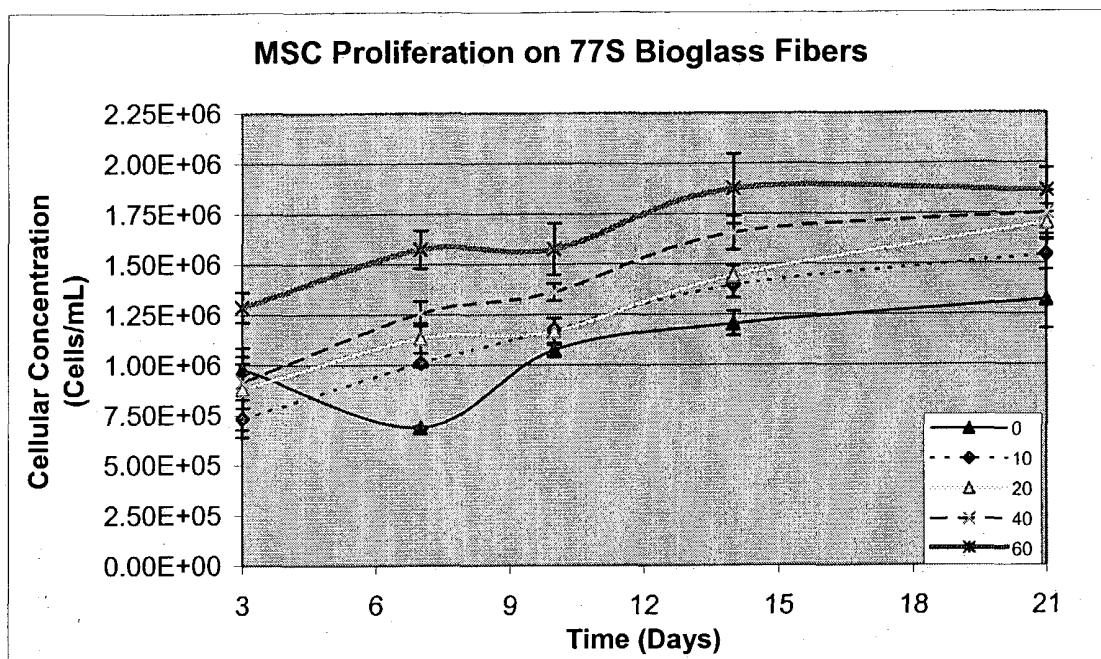


FIG. 8

**MSC Proliferation on 77S Bioglass Fiber Constructs
for Various Culture Periods**

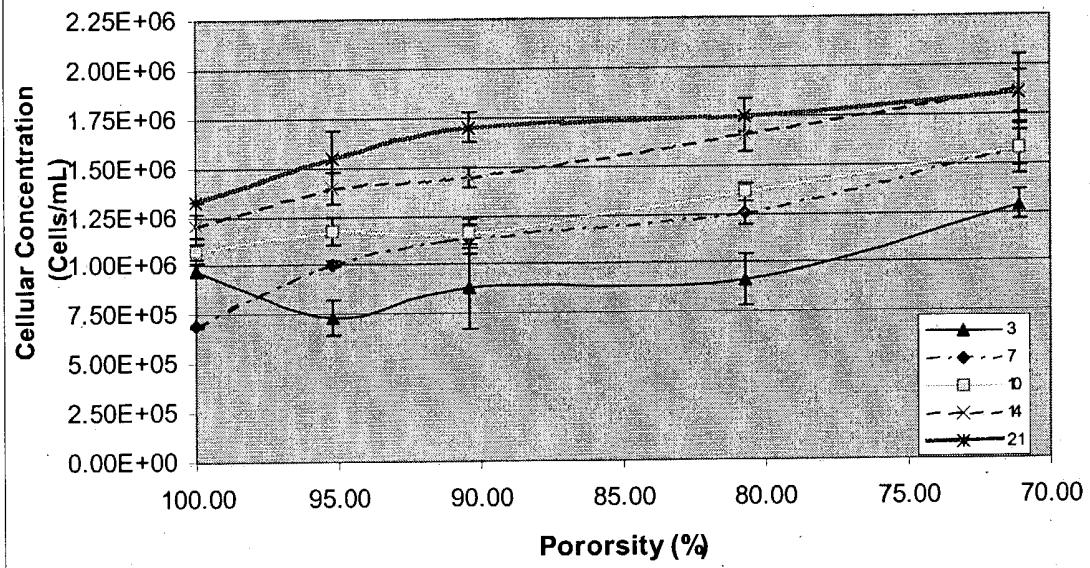


FIG. 9

**Stabilization of 77S Bioglass through
the addition of 1% (V/V) PVP**

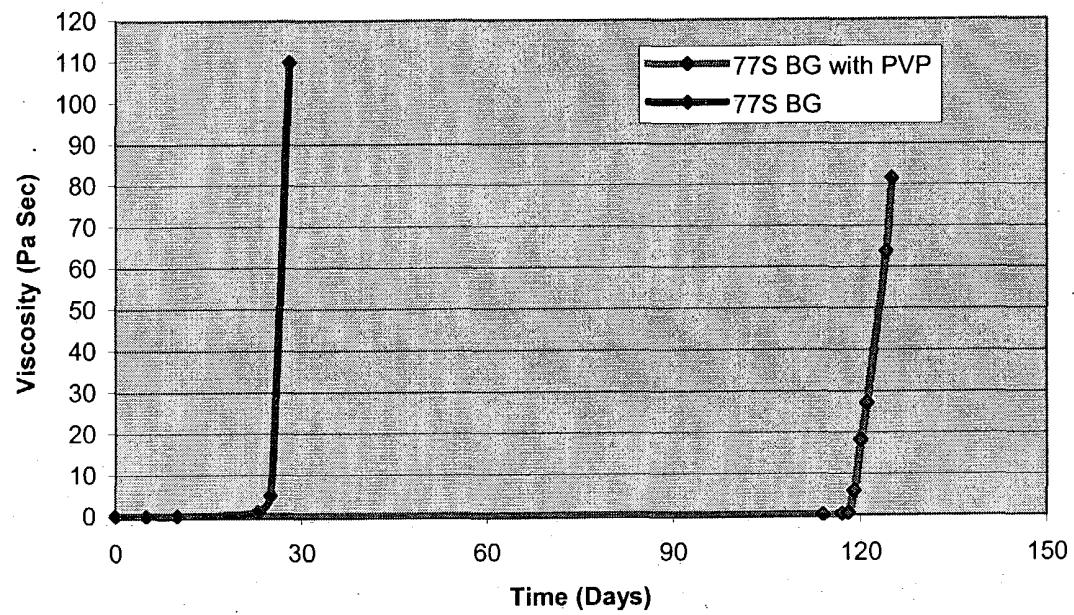


FIG. 10

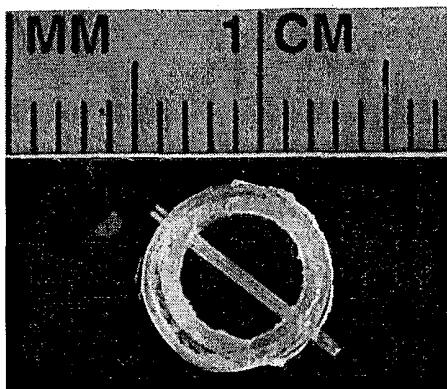


FIG. 11 A

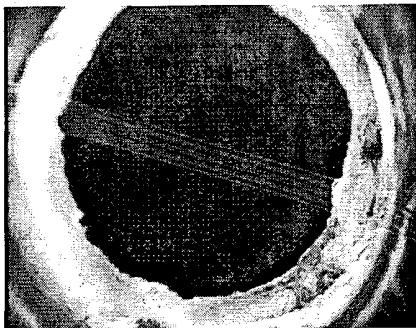


FIG. 11 B

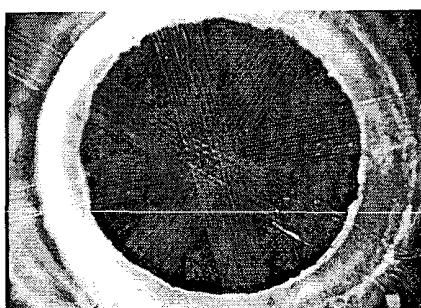


FIG. 11 C

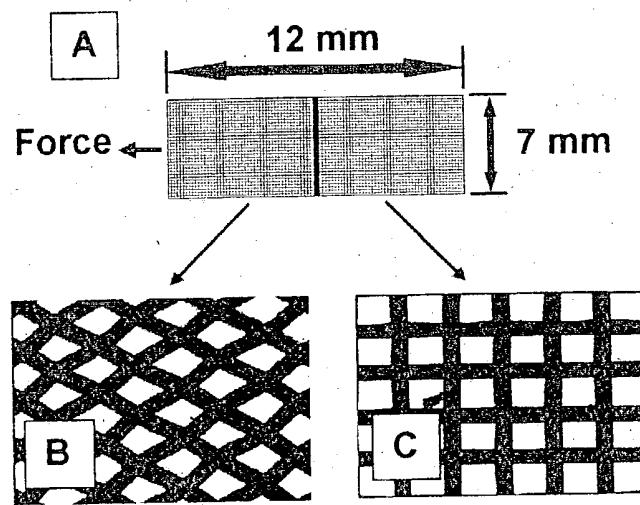


FIG. 12

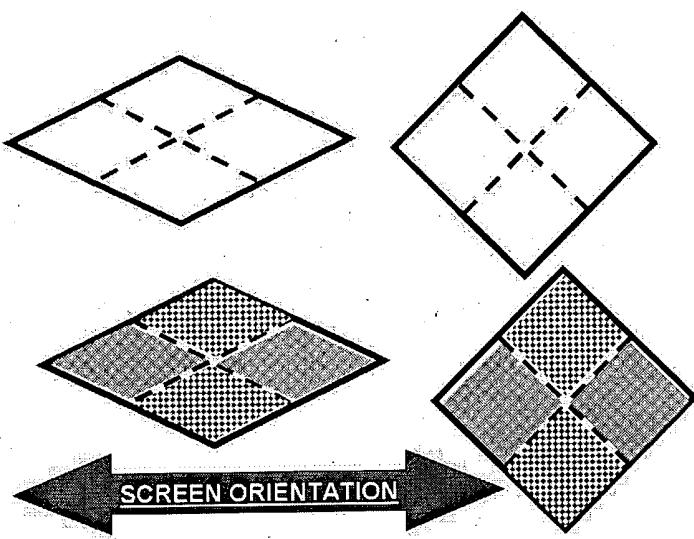


FIG. 13

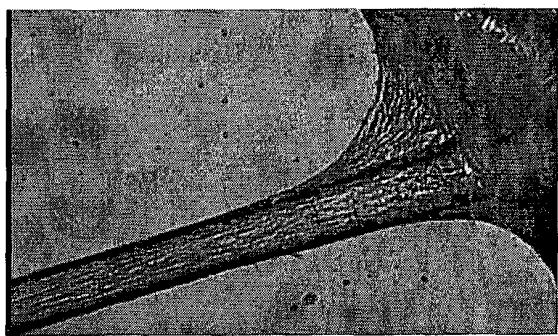


FIG. 14A

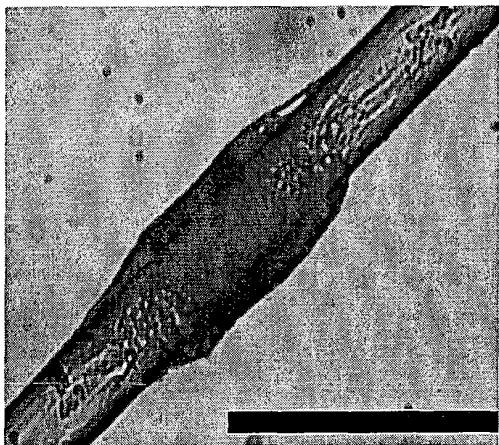
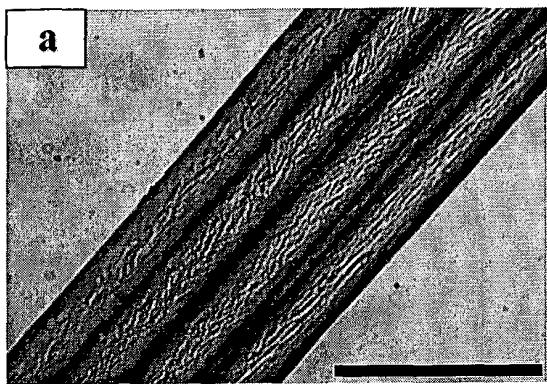
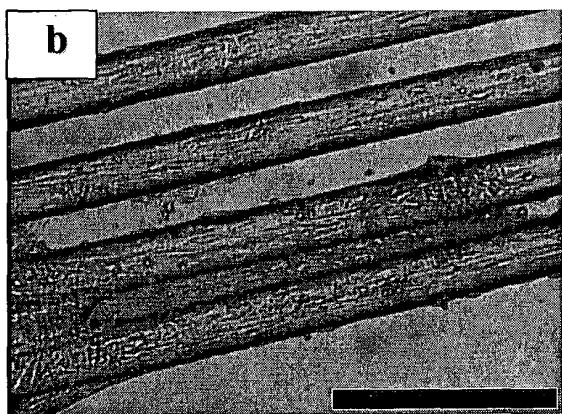


FIG. 14B



25 μm Array. SB = 250 μm

FIG. 15A



55 μm Array. SB = 250 μm

FIG. 15B

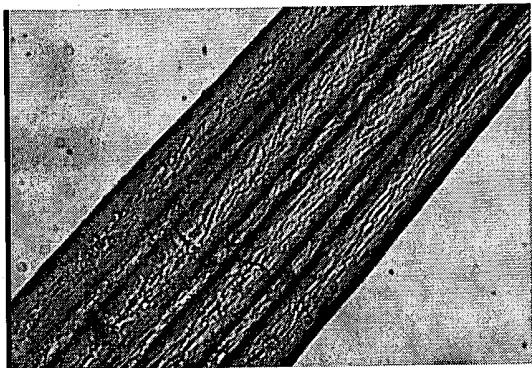


FIG. 16A

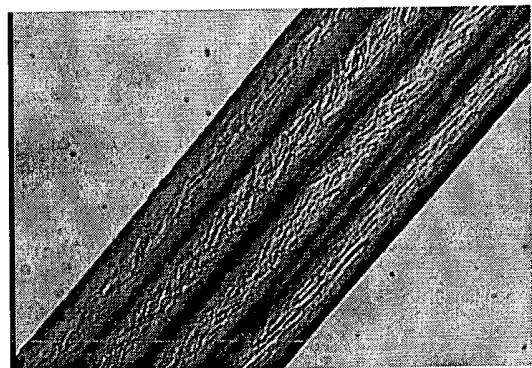


FIG 16B

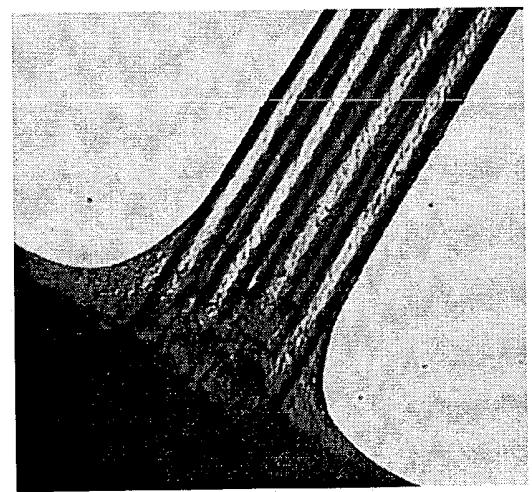


FIG. 16C

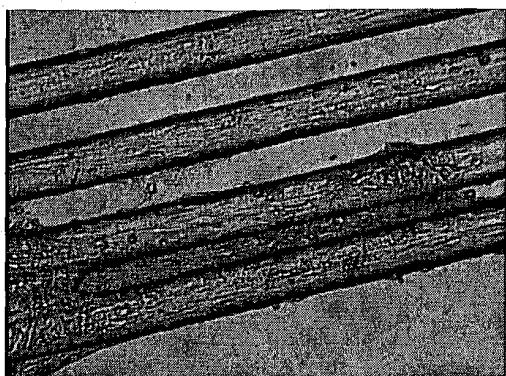


FIG. 17A

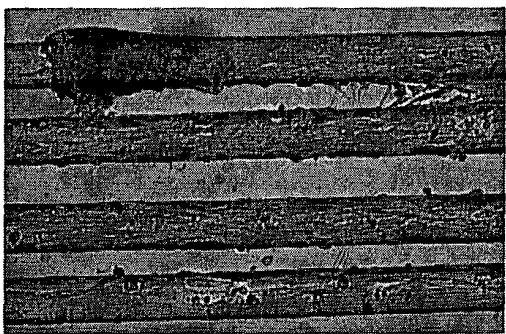


FIG. 17B

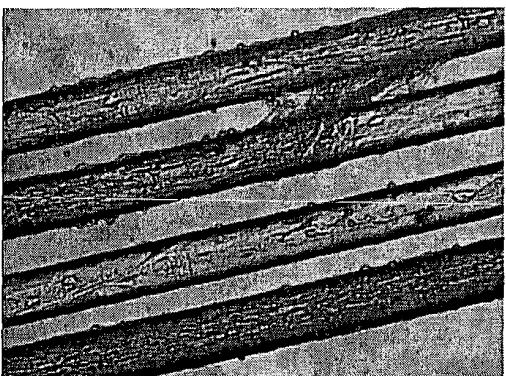


FIG. 17C

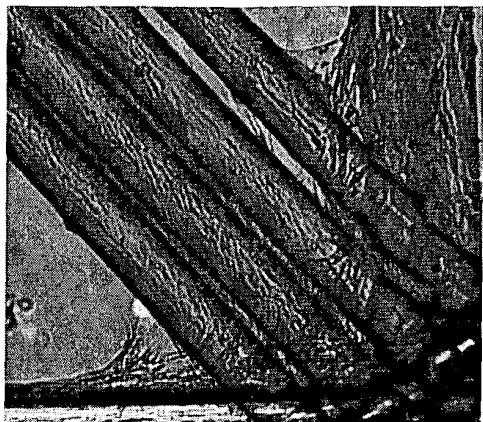


FIG. 18A



FIG. 18B

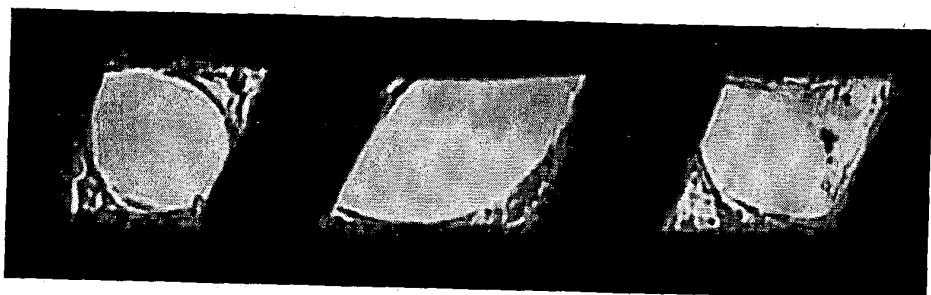


FIG. 19

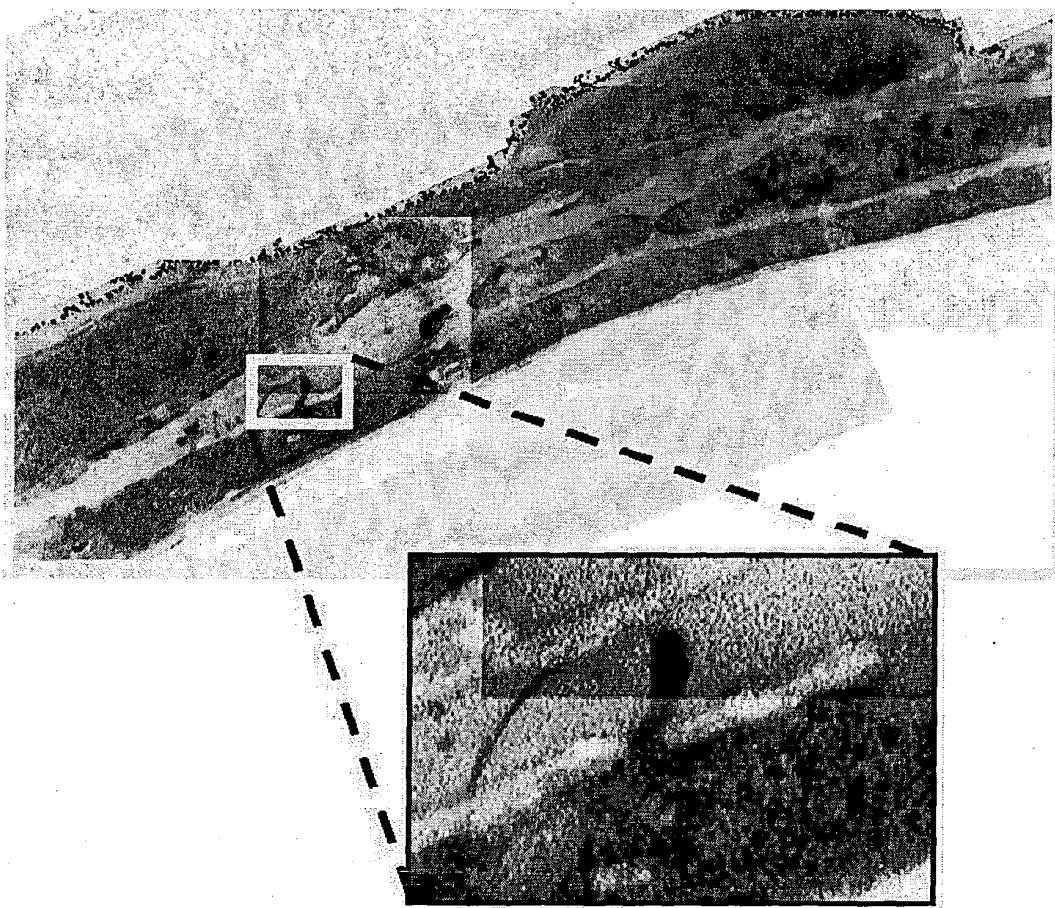


FIG. 20

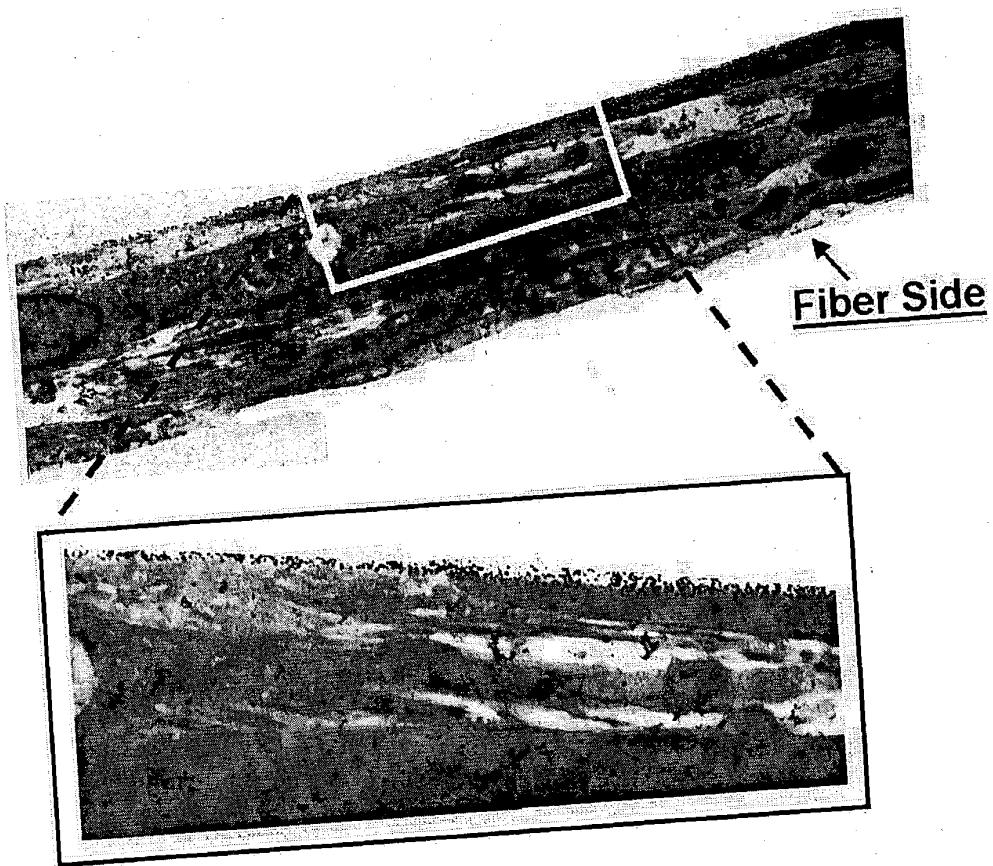


FIG. 21

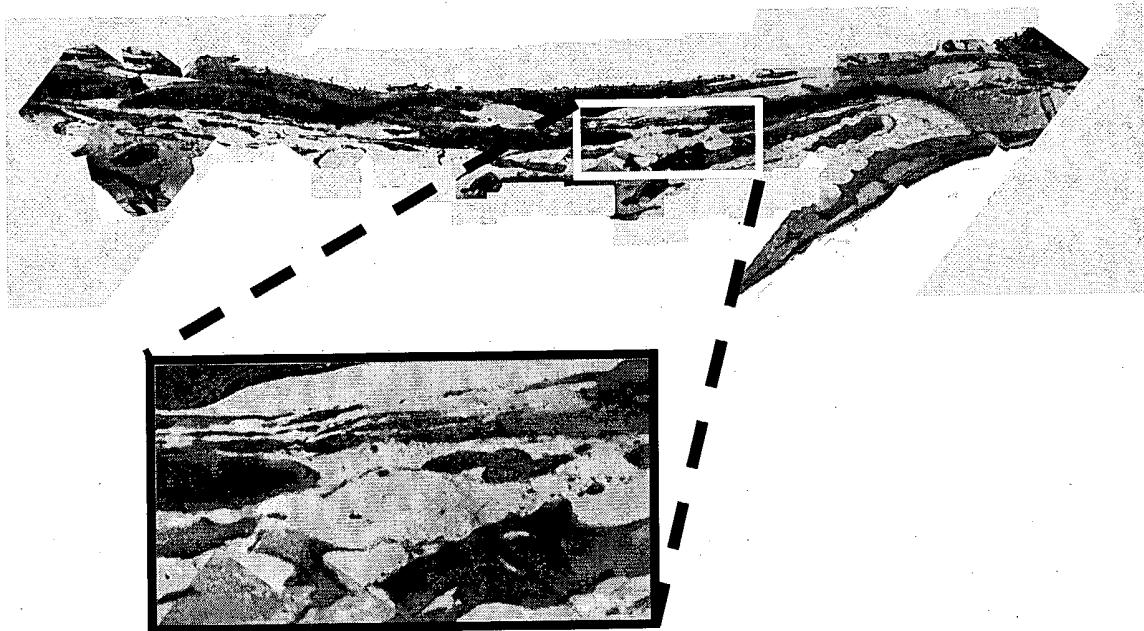


FIG. 22

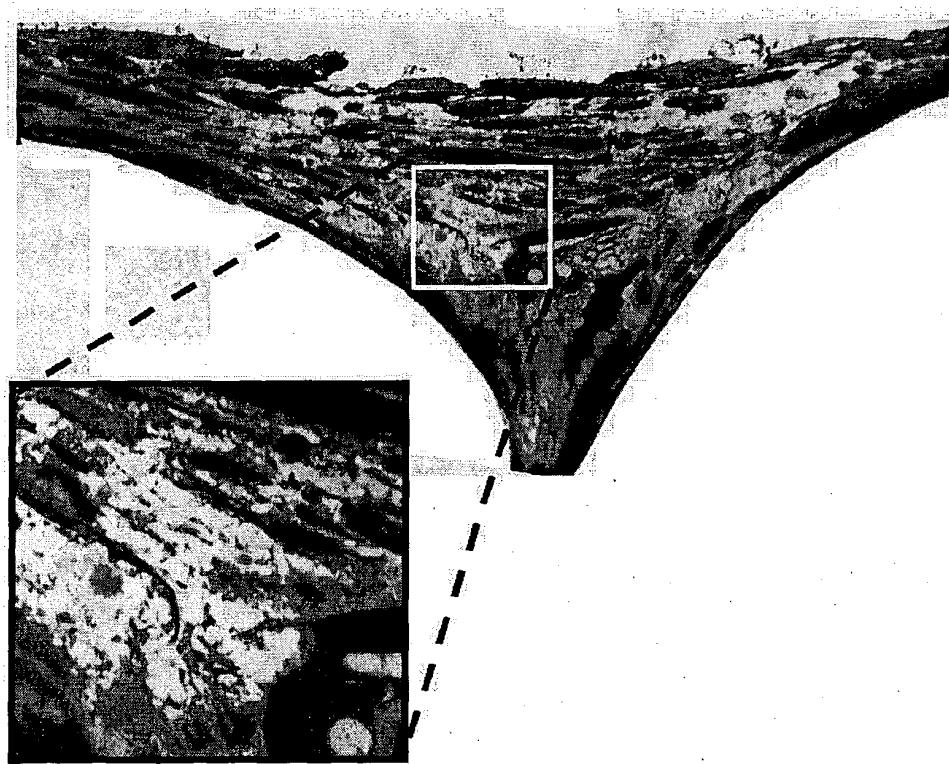


FIG. 23

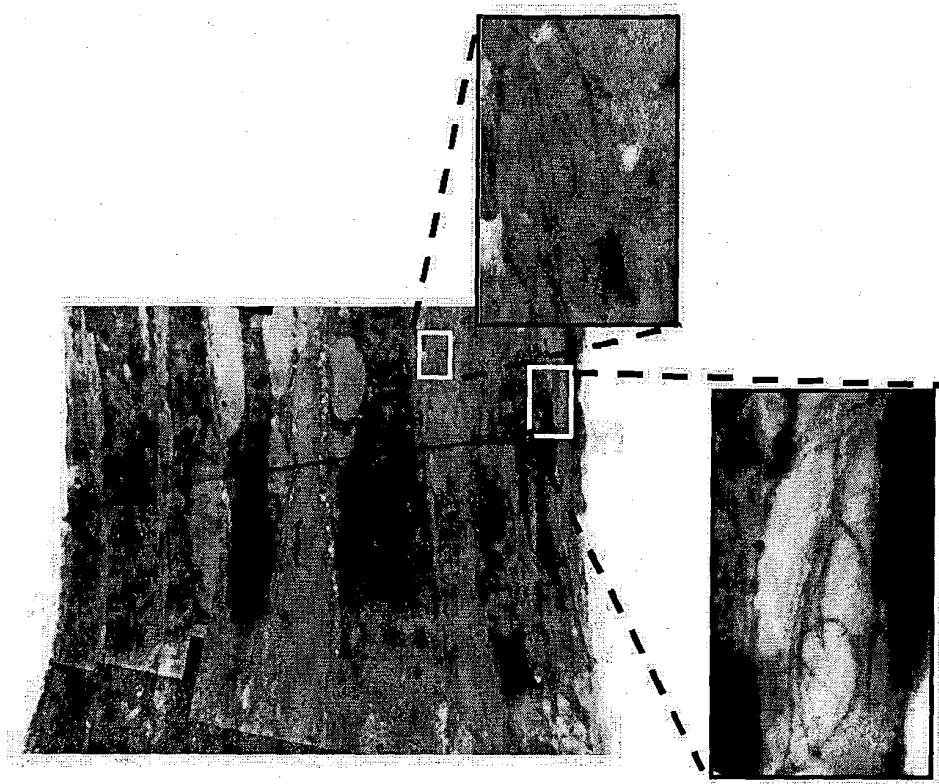


FIG. 24

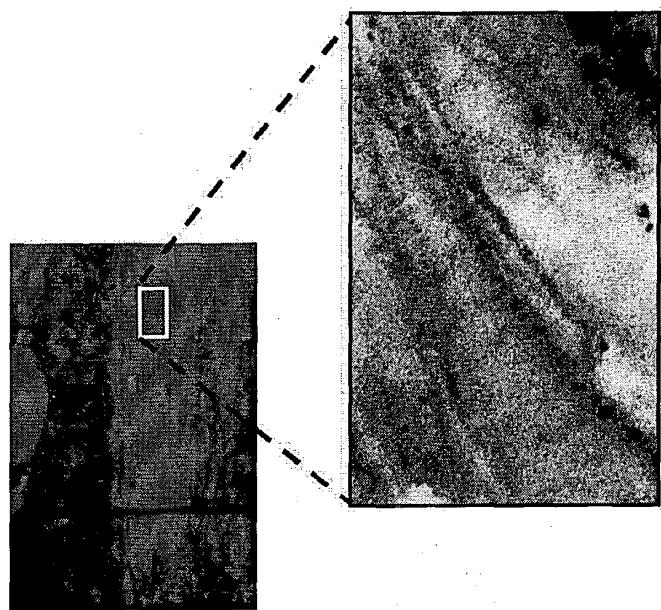


FIG. 25

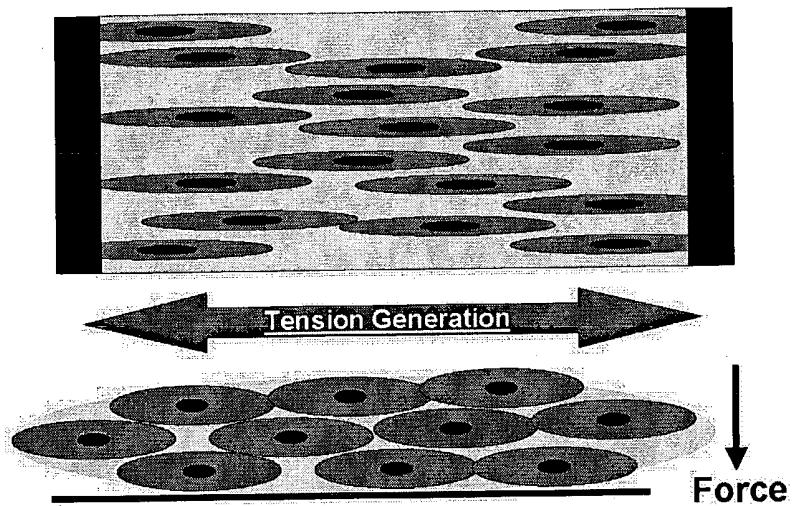


FIG. 26

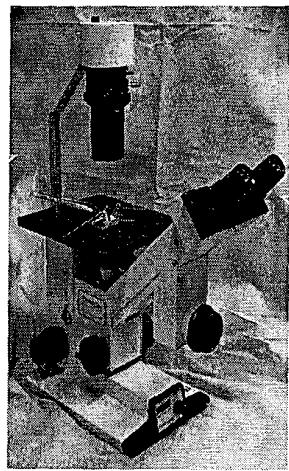


FIG. 27A

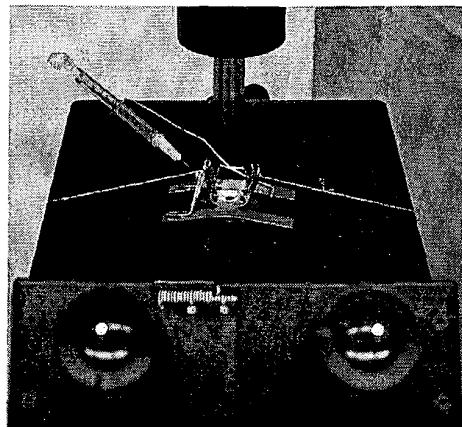


FIG. 27B

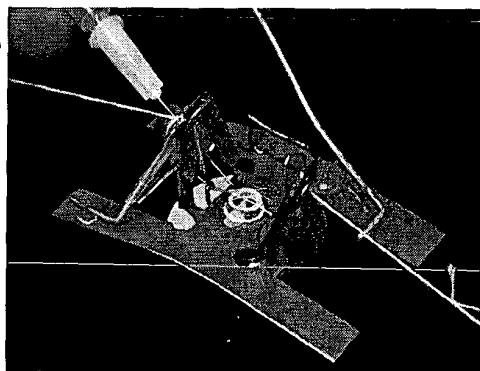


FIG. 27C

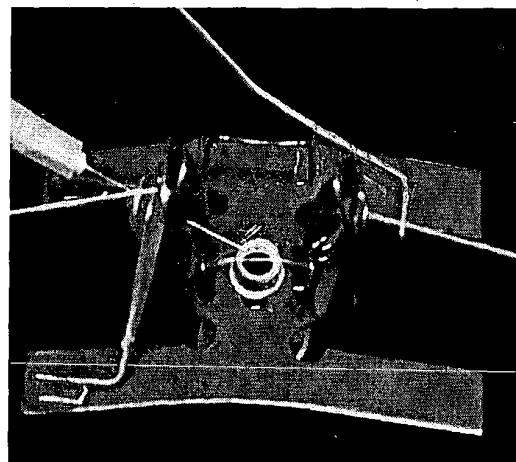


FIG 27D